



Product name:	Stat3 (phospho Tyr705) Rabbit Polyclonal Antibody
Cat number:	ABP-6041
Conjugate:	unconjugated
Host:	Rabbit
Size:	100 ug
Synonyms:	STAT3; APRF; Signal transducer and activator of transcription 3; Acute-phase response factor
Clone:	Polyclonal
Concentration:	1 mg/ml
Isotype:	IgG
Immunogen:	The antiserum was produced against synthesized peptide derived from human STAT3 around the phosphorylation site of Tyr705. AA range:672-721
Reactivity:	Human;Mouse;Rat;Pig
Applications:	IF: 1:50-200 Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunoprecipitation: 2-5 ug/mg lysate. ELISA: 1/20000.
Molecular Weight:	88kD
Background:	The protein encoded by this gene is a member of the STAT protein family. In response to cytokines and growth factors, STAT family members are phosphorylated by the receptor associated kinases, and then form homo- or heterodimers that translocate to the cell nucleus where they act as transcription activators. This protein is activated through phosphorylation in response to various cytokines and growth factors including IFNs, EGF, IL5, IL6, HGF, LIF and BMP2. This protein mediates the expression of a variety of genes in response to cell stimuli, and thus plays a key role in many cellular processes such as cell growth and apoptosis. The small GTPase Rac1 has been shown to bind and regulate the activity of this protein. PIAS3 protein is a specific inhibitor of this protein. Mutations in this gene are associated with infantile-onset multisystem autoimmune disease and hyper
Form:	liquid
Buffer:	Liquid in PBS containing 50% glycerol, 0.5%BSAand0.02% sodium azide
Storage:	-20°C/1 year

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